



**CSIR- CENTRAL BUILDING RESEARCH INSTITUTE  
ROORKEE (Uttarakhand)**

No. PB-1(12)25

Dated 05.12.2025

**OFFICE MEMORANDUM**

On the recommendations of TSC for procurement of Dynamic Light Scattering system, the specifications are revised. Further the bid submission date is extended by one week i.e. up to 22.12.2025 (3.00PM IST) and the same will be opened on 23.12.2025 (11.00AM IST)

  
SECTION OFFICER (S&P)  
(CSIR-CBRI ROORKEE)

### Technical specifications for Dynamic Light Scattering Instrument

Sr. No.	Parameters	Specifications
1.	<b>Measurement Principle</b>	Dynamic Light Scattering,
2.	<b>Size Range</b>	0.3 nm to 10 $\mu$ m or better
3.	<b>Zeta Potential range</b>	+/- 500mV or better
4.	<b>Sample conductivity</b>	180 mS/cm or more
5.	<b>Detector</b>	Avalanche Photo Diode
6.	<b>Measurement Angle</b>	More than two angle
7.	<b>Molecular weight range</b>	980 Da to 20 MDa or better
8.	<b>Software</b>	Suitable software for measurement of related parameters data analysis & reporting
9.	<b>Warranty</b>	24 months

#### **Accessories:**

- Semi automatic digital refractometer with software for the measurement of Refractive Index (Refractive Index; 1.3000–1.7000 nD or better ).
- Anti Vibration table for DLS (Table dim: 1200mm× 900mm or higher).
- Black and white laser Printer with both side printing facility
- 2 KVA or better On-line UPS.
- PC with Screen Monitor 24" , Intel Core i5 Processor, memory 1 TB, 8 GB RAM, DVD + RW drive, multi port USB connector, window.
- Standard Cuvettes.
- Particle Size and Zeta Potential calibrator.